Contents Volume 71 1992/1993

No. 1

Editorial
Priem H.N.A.: Editorial 1

Regular Papers
Serrano F.: Biostratigraphic control of Neogene volcanism in Sierra de Gata (south-east Spain) 3
Jagt J.W.M., Kennedy W.J. & Burnett J.: *Acanthoscaphites tridens* (Kner, 1848) (Ammonoidea) from the Vijlen Member (Lower Maastrichtian) of Gulpen, Limburg, The Netherlands 15
Frykman P.: Quantification of pore geometry in carbonates using image analysis; Upper Permian (Zechstein) of Denmark 23
Linthout K. & Everts A.J.: The flow-banded rhyolite dome of San Bartolomé (Alcoroches, Guadalajara), a novelty for Spain 33
Peeters C., Muchez Ph. & Viaene W.: Paleogeographic and climatic evolution of the Moliniacian (lower Visean) in southeastern Belgium 39
Vergoossen J.M.J.: On complex dermal elements in *Loganellia* species (Agnatha, Thelodonti) from the Upper Llandovery of Scotland (I.G.C.P. 328 Contribution) 51
Valbracht P.J.: $\varepsilon_{Nd}(T)$ variation in an Early Proterozoic actinolite skarn, Sweden, reflecting felsic volcanite-seawater interaction 65
Konert R.J., Stel H. & Reemst P.H.M.: Unravelling the progressive strain-history of rocks in metamorphic areas, the example of the Somero area, SW Finland 71

Short communication
De Jong K.: Comment on: the structural configuration of the eastern Sierra de los Filabres, SE Spain by H. Bakker: *Geologie en Mijnbouw 70: 287-298, 1991* 81

Book reviews
Josten K.-H. *Die Steinkohlen-Floren Nordwest-deutschlands* **by** H.W.J. van Amerom 85
Rey J. *Geologische Altersbestimmung* **by** T. van Eijden 86
Ziegler W. (ed.) *Catalogue of Conodonts* **by** M. van den Boogaard 87

Instructions to authors 89

No. 2

Regular papers
Paulssen H., Dost B. & Van Eck T.: The April 13, 1992 earthquake of Roermond (The Netherlands); first interpretation of the NARS seismograms 91
Davis R.A., Jr.: Dominant processes and sediment mobility on sandy tidal flat: Martens Plate, German Wadden Sea 99
Van Hasselt J.Ph.: Reservoir compaction and surface subsidence resulting from oil and gas production. A review of theoretical and experimental research approaches 107
Doornhof D.: Surface subsidence in The Netherlands: the Groningen gas field 119
Akande S.O., Hoffknecht A. & Erdtmann B.-D.: Environment of ore formation and anchizonal metamorphism in Pb-Zn-fluorite-barite deposits of the Benue Trough, Nigeria 131
De Craen M. & Swennen R.: Sedimentology and diagenesis of the ankeritized basal Zechstein conglomerate in the Campine Basin (Bree borehole, NE Belgium) 145
Langenaeker V. & Dusar M.: Subsurface facies analysis of the Namurian and earliest Westphalian in the western part of the Campine Basin (N Belgium) 161
De Jong M.G.G. & Laker N.: Reservoir modelling of the Vlieland Sandstone of the Kotter Field (Block K18b), offshore, The Netherlands 173

Book reviews
Kearey P. & Brooks M. *An introduction to Geophysical Exploration, 2nd Edition* **by** J.M. Woodside 189
Williams P.J. & Smith M.W. *The frozen Earth: Fundamentals of Geocryology* **by** J.J.M. van der Meer 190
Nisbet E.G. *Living Earth* **by** G.J. Boekschoten 191
Olea R.A. (ed.) *Geostatistical glossary and multilingual dictionary* **by** E. Seyhan 191
Mitchell R.H. & Bergman S.C. *Petrology of lamproites* **by** K. Linthout 191

Geologie en Mijnbouw **71**: 371–372, 1993.

No. 3

Regular Papers

Liu A.C., De Batist M., Henriet J.P. & Missiaen T.: Plio-Pleistocene scour hollows in the Southern Bight of the North Sea 195

Van der Straaten H.C.: Neogene strike-slip faulting in southeastern Spain: the deformation of the pull-apart basin of Abarán 205

De Jong K.: The tectono-metamorphic evolution of the Veleta Complex and the development of the contact with the Mulhacen Complex (Betic Zone, SE Spain) 227

Bless M.J.M., Dusar M., Felder P.J. & Swennen R.: Lithology and biostratigraphy of Upper Cretaceous-Paleocene carbonates in the Molenbeersel borehole (NE Belgium) 239

Van Duin J.A. & Nieman C.P.: Pressure and temperature history of a low-pressure transitional granulite area, Turku, SW Finland 259

Short communication

Batchelor D.A.F.: Discussion: Late Pleistocene sedimentation and landform development in western Kalimantan (Indonesian Borneo) by M.B. Thorp et al.: ***Geologie en Mijnbouw 69: 133–150, 1990*** 281

Book reviews

Smith A.L. & Roobol M.J. *Mt. Pelée, Martinique: a study of an active island-arc volcano* **by** H. Helmers 287

Decker R.W. & Decker B.B. *Mountains of fire* **by** H. Helmers 288

Merrill R.K. (ed.) *Source and migration processes and evaluation techniques* **by** T.J.A. Reijers 289

Melvin J.L. (ed.) *Evaporites, petroleum and mineral resources* **by** T.J.A. Reijers 290

Van Wagoner J.C., Jones C.R., Taylor D.R., Nummedal D., Jenette D.C. & Riley G.W. *Sequence stratigraphy applications to shelf sandstone reservoirs: Outcrop to subsurface examples* **by** T.J.A. Reijers 291

Bott M.H.P., Fairhead J.D., Kusznir N.J. & Whitmar R.B. (ed.) *Tectonic stress in the lithosphere* **by** H.E. Rondeel 292

Society Affairs 293

No. 4

Regular Papers

Hakstege A.L., Kroonenberg S.B. & Van Wijck H.: Geochemistry of Holocene clays of the Rhine and Meuse rivers in the central-eastern Netherlands 301

De Jong K.: Redefinition of the deformation scheme of the Mulhacen Complex and implications for the relative timing of the overthrusting of the Alpujarride Complex in the Betic Zone (SE Spain) 317

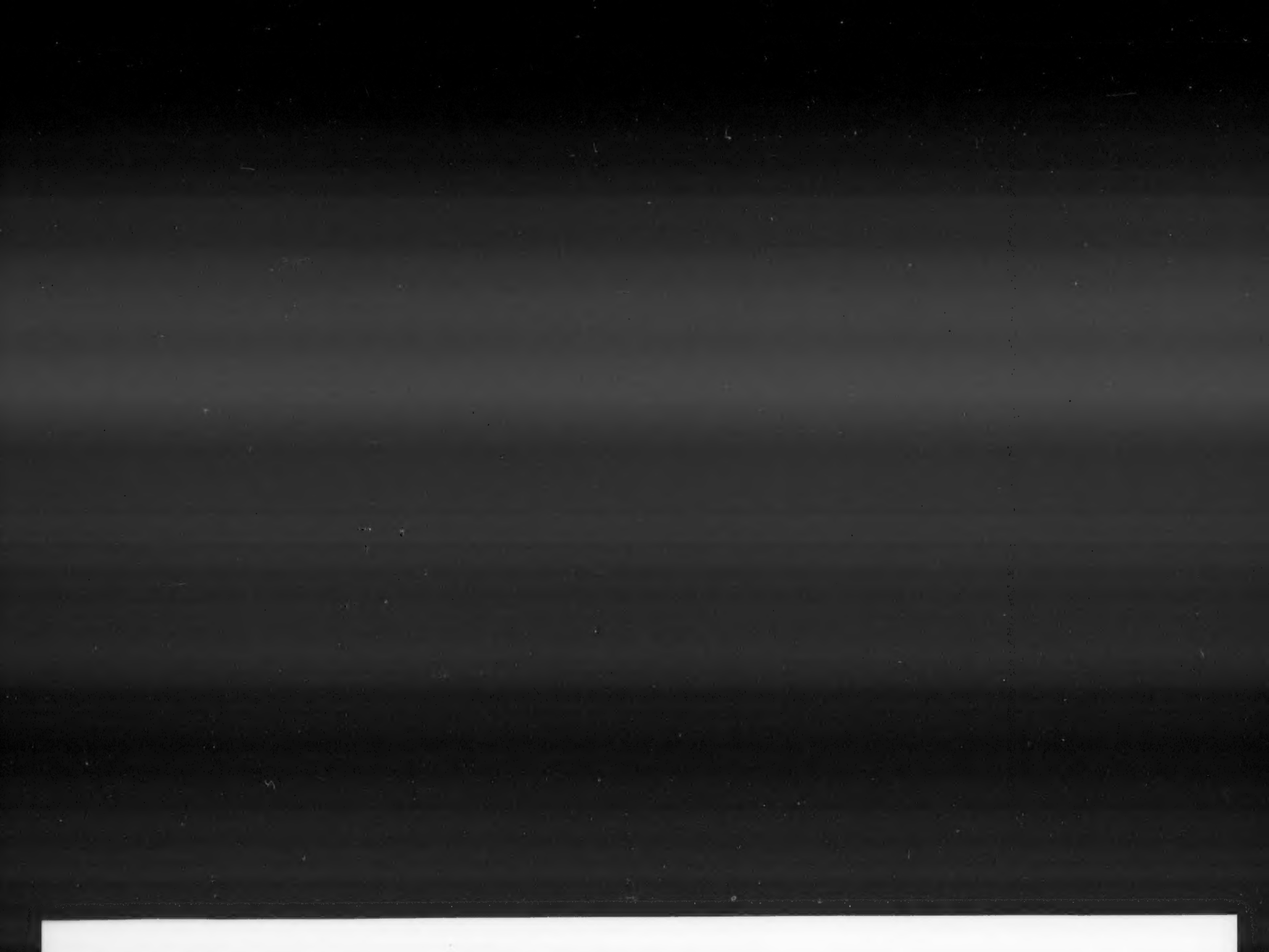
De Jong K.: Large-scale polyphase deformation of a coherent HP/LT metamorphic unit: the Mulhacen Complex in the eastern Sierra de los Filabres (Betic Zone, SE Spain) 327

Burkhard D.J.M.: Biotite crystallization temperatures and redox states in granitic rocks as indicator for tectonic setting 337

Mabesoone J.M. & Alheiros M.M.: Evolution of the Pernambuco–Paraíba–Rio Grande do Norte Basin and the problem of the South Atlantic connection 351

Short communication

Thorp M.B. & Thomas M.F.: Discussion: Late Pleistocene sedimentation and landform development in western Kalimantan (Indonesian Borneo). Reply by the Authors 363

Author Index Volume 71 369

Contents Volume 71 371